

- (iii) Connection of cargo hoses or loading-arms;
- (iv) Line-up of the cargo system for loading and discharge;
- (v) Start of liquid flow during loading;
- (vi) Start of cargo pump and increase of pressure to normal discharge pressure;
- (vii) Calculation of loading-rates;
- (viii) Monitoring;
- (ix) Topping-off of cargo tanks during loading;
- (x) Stripping of cargo tanks;
- (xi) Ballasting and deballasting, if appropriate;
- (xii) Disconnection of the cargo hoses or loading-arms; and
- (xiii) Securing of cargo systems.

(b) In determining the numbers and kinds of transfers that the applicant has participated in under paragraph (a)(2) of this section, the following rules apply:

(1) A transfer must involve the loading or discharge from at least one of the vessel's cargo tanks to or from a shore facility or another vessel. A shift of cargo from one tank to another tank is not a transfer for this purpose.

(2) Regardless of how long the transfer lasts beyond four hours, it counts as only one transfer.

(3) A transfer must include both a commencement and a completion.

(4) Regardless of how many tanks or products are being loaded or discharged at the same time, a person may receive credit for only one transfer, one loading, and one discharge a watch.

(5) Credit for a transfer during a watch of less than four hours accrues only if the watch includes either the connection and the commencement of

transfer or the completion of transfer and the disconnection.

(6) Credit for a commencement of loading accrues only if the applicant participates in the pre-transfer inspection, the pre-transfer conference including execution of the Declaration of Inspection, the connection of cargo hoses or loading-arms, the line-up of the cargo system for the loading, the start of liquid flow, and the calculation of loading-rates, where applicable.

(7) Credit for a commencement of discharge accrues only if the applicant participates in the pre-transfer inspection, the pre-transfer conference including execution of the Declaration of Inspection, the connection of cargo hoses or loading-arms, the line-up of the cargo system for the discharge, the start of the cargo pump or pumps and increase of pressure to normal pressure for discharge, and the monitoring of discharge rates.

(8) Credit for a completion of transfer, whether loading or discharge, accrues only if the applicant participates in the topping-off at the loading port, or in the stripping of cargo tanks and the commencement of ballasting, if required by the vessel's transfer procedures, at the discharge port.

(9) Personnel desiring credit for transfers during off-duty hours may satisfy requirements of competence through incremental training periods that include segments of transfers. The cumulative number of transfers must equal the minimum specified in § 13.203(b) or 13.303(b).

[CGD 79-116, 60 FR 17142, Apr. 4, 1995, as amended by CGD 79-116, 62 FR 25133, May 8, 1997]

§ 13.129 Quick-reference table for tankerman endorsements.

Table 13.129 provides a guide to the requirements for various tankerman endorsements. Provisions in the reference sections are controlling.

TABLE 13.129

Category	Minimum age	Physical required	Service	Recency of service	Proof of service	Certificate from fire-fighting course 13.207	Cargo course	English language
Tankerman-PIC Subpart B.	18; 13.201(a) ...	Yes; 10.215	13.203	13.123	13.205	13.207	13.209	13.201(g)

TABLE 13.129—Continued

Category	Minimum age	Physical required	Service	Recency of service	Proof of service	Certificate from fire-fighting course 13.207	Cargo course	English language
Tankerman-PIC (Barge) Subpart C.	18; 13.301(a) ...	Yes; 10.215	13.303	13.123	13.305	13.307	13.309	13.301(g)
Tankerman-Assistant Subpart D.	18; 13.401(a) ...	Yes; 10.215	13.403	13.123	13.405	13.407	13.409	13.401(f)
Tankerman-Engineer Subpart E.	18; 13.501(a) ...	Yes; 10.215	13.503	13.123	13.505	13.507	13.509	13.501(g)
Restricted Tankerman-PIC.	18; 13.111(b) ...	Yes; 10.215	13.111(b)	13.111(b)	13.111(b)	13.111(b)	No	13.111(b)
Restricted Tankerman-PIC (Barge).	18; 13.111(c) ...	Yes; 10.215	13.111(c)	13.111(c)	13.111(c)	13.111(c)	No	13.111(c)
Restricted Tankerman-PIC (Barge), Facility.	18; 13.111(d)(1)	Yes; 10.215	13.111(d)(4)	No	13.111(d)(4)	No	No	13.111(d)(5)

[CGD 79-116, 60 FR 17142, Apr. 4, 1995, as amended by CGD 79-116, 62 FR 25133, May 8, 1997; USCG-2006-24371, 74 FR 11259, Mar. 16, 2009]

Subpart B—Requirements for “Tankerman-PIC” Endorsement

§ 13.201 Original application for “Tankerman-PIC” endorsement.

Each applicant for an original “Tankerman-PIC” endorsement shall—

- (a) Be at least 18 years old;
- (b) Apply on a Coast Guard form;
- (c) Present evidence of passing a physical and medical examination in accordance with § 13.125;
- (d) Present evidence of service on tankships according to § 10.215 of this chapter;
- (e) Meet the requirement of a course on firefighting in § 13.207;
- (f) Meet the requirement of a course in DL or LG appropriate for the endorsement applied for in § 13.209; and
- (g) Be capable of speaking and understanding, in English, all instructions needed to commence, conduct, and complete a transfer of cargo, and be capable of reading the English found in the Declaration of Inspection, vessel response plans, and Cargo Information Cards.

[CGD 79-116, 60 FR 17142, Apr. 4, 1995, as amended by USCG-2006-24371, 74 FR 11259, Mar. 16, 2009]

§ 13.203 Eligibility: Experience.

Each applicant for a “Tankerman-PIC” endorsement for DL or LG shall meet the requirements of either paragraphs (a) and (b) or paragraph (c) of this section.

(a) Each applicant shall present evidence of—

(1) At least 90 days of service as a deck officer or an engineering officer on one or more tankships or self-propelled tank vessels certified to carry DL or LG appropriate to the endorsement applied for;

(2) At least 90 days of rating or cadet service on deck or in the engine department on one or more tankships or self-propelled tank vessels certified to carry DL or LG appropriate to the endorsement applied for; or

(3) A combination of the service in paragraphs (a) (1) and (2) of this section.

(b) Each applicant shall present evidence of participation, under the supervision of a “Tankerman-PIC,” in at least 10 transfers of liquid cargo in bulk of the classification desired on tankships or self-propelled tank vessels, including at least—

- (1) Five loadings and five discharges;
- (2) Two commencements of loading and two completions of loading; and